

Listing of All Claims Including Current Amendments

1. (currently amended) A system for allowing a plurality of non-associated fuel dealers to remotely managing fuel storage in a plurality of customer storage locations comprising:

a computer accessible by a plurality of fuel dealers;

a measurer ~~for~~ measuring the storage level of a fuel at a customer storage location and generating a measurement signal indicative thereof;

a data processor associated with the measurer receiving and storing the measurement signal ~~permitting recording of the customer fuel storage level;~~

a communicator ~~associated with~~ wirelessly coupled to the data processor, the communicator transmitting the measurement signal to measurer ~~permitting communication with the computer~~ via a communications network;

an access interface associated with the computer and coupling the computer to the communications network;

~~at least one communications network permitting communication by a dealer to the computer and permitting communication with the computer by the communicator associated with the measurer;~~

a database accessible by the computer containing a plurality of data associated with the customer fuel storage levels for a plurality of customer accounts;

a plurality of functional software modules executing on the computer by which the one of the plurality of fuel dealers selectively manipulates the plurality of data associated with ~~the~~ a particular customer storage location; comprising

an administrative software module ~~for~~ allowing the plurality of fuel dealers to create new customer accounts ~~enrolling customer storage locations and administering the system~~ existing customer accounts,

a management software module ~~for~~ allowing the plurality of fuel dealers to querying the database for customer information associated with their customer accounts,

a scheduling software module for optimizing fuel deliveries to their customers account storage locations, and

an authorization software module for securing the system such that authorized fuel dealers are allowed access to their customer account information and a customer is permitted to view the storage level of a fuel at the customer's storage location, and

~~a delivery analysis software module for analyzing the replenishment of fuel to the customer storage location, said delivery analysis software module including a route optimization module by which the dealer optimizes its schedule of deliveries to customer storage locations based upon storage levels at the customer storage locations~~

wherein a plurality of fuel dealer computers access the computer, each fuel dealer having a plurality of customer accounts to whom they supply fuel, each fuel dealer accessing the computer system via the authorization software and administering customer accounts via the administrative software.

2. (currently amended) The system of claim 1 ~~wherein the plurality of functional software modules executing on the computer for enabling a plurality of users to selectively manipulate the plurality of data associated with the storage location further comprises a software module for~~ generating a report on a customer account ~~ing the results of querying the database by a plurality of communications networks.~~

3. (cancelled)

4. (currently amended) The system of claim 1 wherein ~~at least one the~~ communications network permitting communication ~~by a user~~ of the plurality of dealer computers to the computer and permitting communication with the computer by the communicator associated with the measurer comprises a telephone network ~~is a wireless communications.~~

5. (currently amended) The system of claim 1 wherein the plurality of functional software modules executing on the computer for enabling a plurality of ~~users~~ dealers to selectively manipulate the plurality of data associated with their customer account storage locations further comprises a software module for accounting.

6. (currently amended) The system of claim 1 wherein the plurality of functional software modules executing on the computer for enabling a plurality of ~~users~~ dealers to selectively manipulate the plurality of data associated with their customer account storage locations further comprises a software module for accessing a geographical information system.

7. (currently amended) The system of claim 1 wherein said data processor further comprises a transponder for detecting a plurality of signals from a deliverer.

8. (cancelled)

9. (original) The system of claim 1 where the measurer is self contained.

10. (original) The system of claim 1 where the communicator is self contained.

11-23. (cancelled)

24. (currently amended) A fuel monitoring system for allowing a plurality of non-associated fuel a dealers to monitor a fuel level of a plurality of customer locations comprising:

a fuel level monitoring device for generating fuel level data;

a communicator wirelessly coupled to said fuel level monitoring device receiving the fuel level data via the wireless link;

a communication link coupled to said communicator;

a central server coupled to said ~~fuel level monitoring device~~ interface via said communication link;

a storage device ~~for~~ accessible by said server, said storage device receiving and storing the fuel level data;

a plurality of dealer computers coupled to said central server for accessing the fuel level data associated with their customers;

said central server formatting the fuel level data to a dealer data format;

said fuel level data presented to the dealer for display in real-time such that the dealer may optimize scheduled delivery of fuel to the customer; and

~~a delivery analysis software module, including route optimization software, by which the dealer optimizes its schedule of deliveries to customer storage locations based upon storage levels at the customer storage locations~~

an authorization software module allowing authorized fuel dealers to access their customer information and a customer is permitted to view the storage level of a fuel at the customer's storage location;

an administrative software module facilitating the creation and administration of customer accounts;

wherein a plurality of fuel dealer computers access the server, each fuel dealer having a plurality of customer accounts to whom they supply fuel, each fuel dealer accessing the server via the authorization software and administering customer accounts via the administrative software.

25. (currently amended) The fuel monitoring system of claim 24 wherein said communication link comprises a telephone network ~~is a wireless communication link.~~

26. (cancelled)

27. (previously presented) The fuel monitoring system of claim 26 wherein the system provides the dealer with geographical information for customer route optimization.

28.-29. (cancelled)

30. (previously presented) The fuel monitoring system of claim 24 further comprising accounting software.

31. (cancelled)

32. (new) A centralized fuel monitoring system for allowing a plurality of non-associated fuel dealers to monitor the fuel level at customer locations comprising:

- a computer accessible by a plurality of fuel dealer computers and a plurality of customer computers, each fuel dealer having a plurality of customer accounts to which they supply fuel, each customer having access to said server to check on the fuel level at the customer location;

- a measurer installed at a customer location, generating a fuel signal indicative of a fuel level at the customer location;

- a communicator wirelessly coupled to said measurer and receiving the fuel signal;

- said communicator coupled to said computer via a communications network, said computer receiving the fuel signal;

- an authorization software module allowing a fuel dealer to access customer accounts associated with the fuel dealer, said authorization software allowing a customer to access information relating to the customer's fuel level;

- an administration software module allowing a fuel dealer to create new customer accounts and enroll new customer locations to be monitored;

wherein a plurality of fuel dealer computers access the computer, each fuel dealer having a plurality of customer accounts to whom they supply fuel, each fuel dealer accessing the computer system via the authorization software and administering customer accounts via the administrative software.

33. (new) The fuel monitoring system of claim 32 further comprising a delivery analysis software module for analyzing replenishment of fuel at the customer location.

34. (new) The fuel monitoring system of claim 32 wherein the system provides the dealer with geographical information for customer route optimization.

35. (new) The fuel monitoring system of claim 32 further comprising an accounting software module for generating billing information associated with the customer account.

36. (new) The fuel monitoring system of claim 1 further comprising a delivery analysis software module, including delivery optimization software, by which the dealer optimizes its schedule of deliveries to customer storage locations based upon storage levels at the customer storage locations.

37. (new) The fuel monitoring system of claim 24 further comprising a delivery analysis software module, including delivery optimization software, by which the dealer optimizes its schedule of deliveries to customer storage locations based upon storage levels at the customer storage locations.